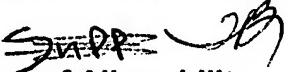


SHAFER
Notice of Allowability

	Application No.	Applicant(s)
	10/723,465	HEARD, WILLIAM C.
	Examiner George Suchfield	Art Unit 3676

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTO-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. This communication is responsive to 3/24/04 Communication.
2. The allowed claim(s) is/are 1-20.
3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All
 - b) Some*
 - c) None
 of the:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) hereto or 2) to Paper No./Mail Date _____.
 - (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. Notice of References Cited (PTO-892)
2. Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 3/24/04
4. Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. Notice of Informal Patent Application (PTO-152)
6. Interview Summary (PTO-413),
Paper No./Mail Date 10/5/05.
7. Examiner's Amendment/Comment
8. Examiner's Statement of Reasons for Allowance
9. Other _____.

George Suchfield
 Primary Examiner
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1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with William D. Jackson on October 5, 2005, wherein it was pointed out that Figure 1 did not provide a drawing label 10 and the specification in Para [0019], page 10, incorrectly referred to a row of wells 24, rather than 34. Accordingly, it was agreed to delete the references to "curve 10" in pages 7 and 8 of the specification, and change "24" to "34" in page 10 as set forth below. It was further agreed that the examiner would provide the correct spelling of "carbonaceous" in claim 1.

The application has been amended as follows:

In the specification at page 7, line 6 of Para [0015], the recitation "curve 10" has been changed to read -- the curve -- .

In the specification at page 8, line 2, the recitation " a curve 10" has been changed to read -- the curve -- .

In the specification at page 10, line 8, "24" has been changed to -- 34 -- .

In claim 1, line 12, the term "carbonatiou" has been changed to read -- carbonaceous -- .

2. The following is an examiner's statement of reasons for allowance:

The primary reason for the allowance of claims is that none of the references cited, taken either singly or in combination, teach or disclose a method for the storage of hydrogen within a solid carbonaceous subterranean formation, as in the claimed combinations, including the representative steps (c) - (e) of claim 1. For example, the reference to Chaback et al (5,454,666)

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discloses the injection of a gas into a solid carbonaceous subterranean formation, such as a coal bed or deposit, after the desorption and recovery of methane, however the gas is injected into the formation for permanent disposal therein, rather than for storage and subsequent use, and further such gas does not appear to include hydrogen. It is further noted reference to Magnie (4,183,405) discloses injection of hydrogen into a subterranean crude oil reservoir for the purpose of forming a gas cap in the reservoir upon exceeding the adsorption capacity of the crude oil for hydrogen, but does not disclose a step(s) of desorbing methane from a solid carbonaceous subterranean formation, as required by the pending claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to George Suchfield whose telephone number is 571-272-7036. The examiner can normally be reached on M-F (6:30 - 3:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian Glessner can be reached on 571-272-6843. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


George Suchfield
Primary Examiner
Art Unit 3676

Gs
October 5, 2005